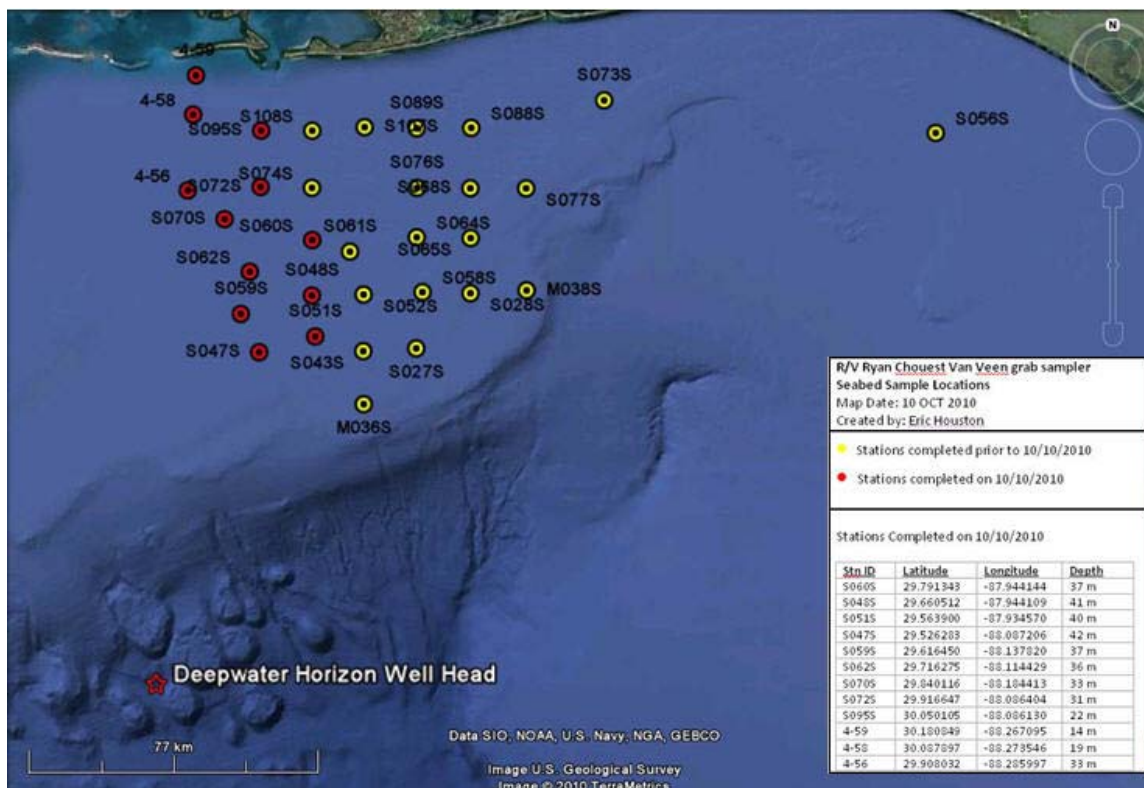


Seabed Grab Sampling Operations	
Vessel	R/V Ryan Chouest
Summary Report Number	04
Operating equipment	Van Veen grab (0.1 square m)
Date	10 October 2010
Completed casts (24 hr)	12
Report complied by	Eric Houston

Seabed sampling locations



Grab samples were processed and stored in accordance with SOPRC01. Where grab volume was sufficient samples of sediment were taken, prepared and stored (frozen - 20°C) for hydrocarbon, trace metal, BTEX, grain size, total inorganic carbon (TIC) total organic carbon (TOC) and Microtox™ toxicology analysis onshore.

Core samples were taken from the grab sediments where sample depth allowed using core sections OD 110mm to a depth 0-3cm.

Station S060S

Lat: 29.791339

Long: -87.944140

00:36 (CDT)

Sediment

Recovery: Total 6 grabs attempts. No samples taken – insufficient sediment

Visible contamination: None

Olfactible contamination: None

Description: None

Remarks: None

Biota: None



Station S048S

Lat: 29.660507

Long: -87.944100

03:21 (CDT)

Sediment

Recovery: Total 6 grab attempts. No samples taken – insufficient sediment

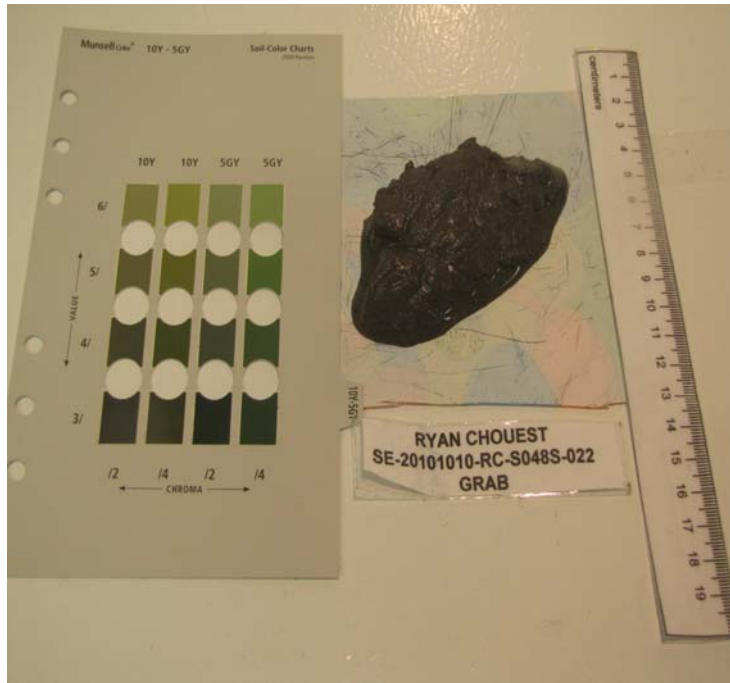
Visible contamination: None

Olfactible contamination: None

Description: Muddy silt/fine sand. Munsell notation: 10 Y-5GY 3/2, very dark grayish olive.

Remarks: None

Biota: None



Station S051S

Lat: 29.563898

Long: -87.934557

04:40 (CDT)

Sediment

Recovery: Total 3 grab attempts. Sample taken from drop #3.

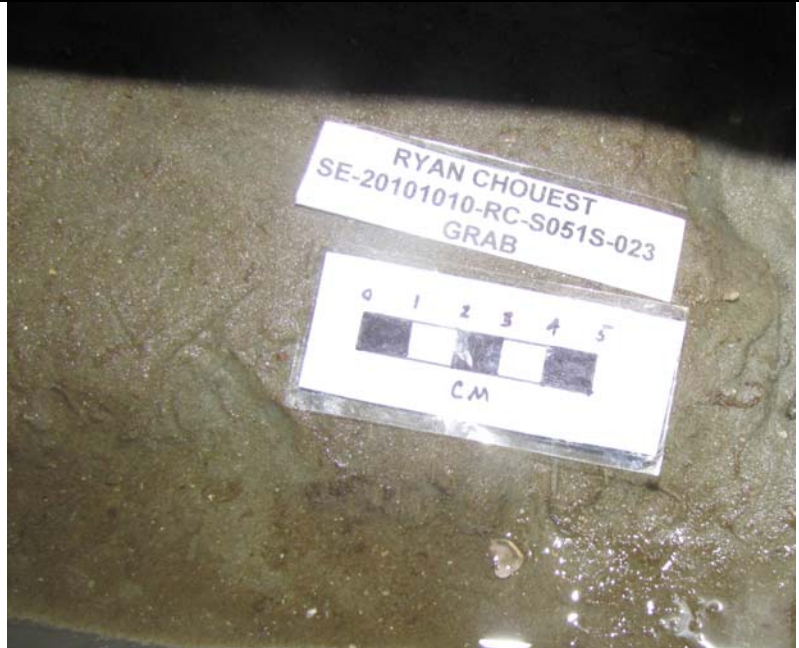
Visible contamination: None

Olfactible contamination: None

Description: Fine sand consisting of two layers. Top layer dark grayish brown Munsell notation: 2.5 Y 4/2. Second layer greenish grey Munsell notation: GLEY 1 5/10Y.

Remarks: None

Biota: None



Station S047S

Lat:29.526279

Long: -88.087194

06:22 (CDT)

Sediment

Recovery: Total 2 grab attempts. Sample taken from drop #2.

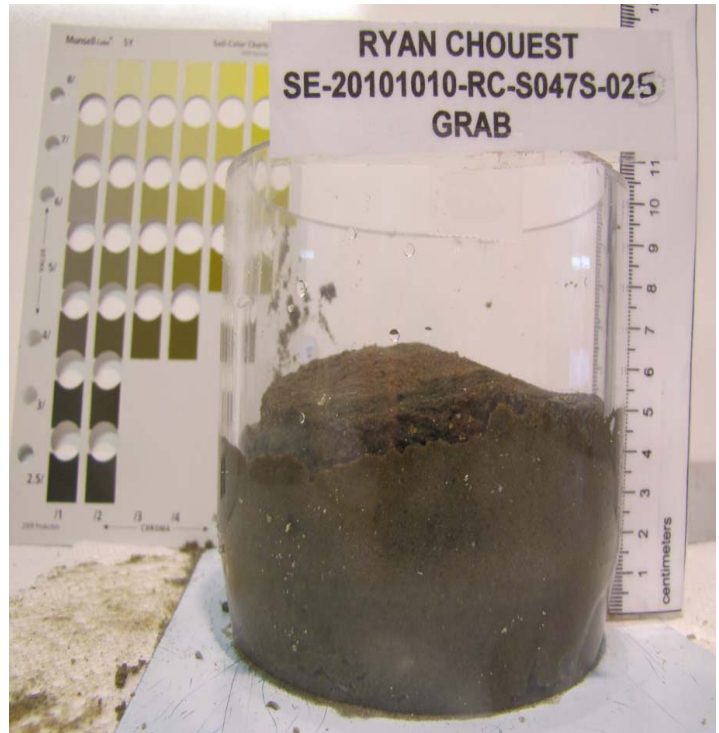
Visible contamination: None

Olfactible contamination: None

Description: Fine sand. No layering. Munsell notation: 5Y 4/2, Olive Gray.

Remarks: Top picture sample name should read 025 instead of 024.

Biota: None



Station S059S

Lat: 29.616460

Long: -88.137810

07:31 (CDT)

Sediment

Recovery: Total 1 grab attempt

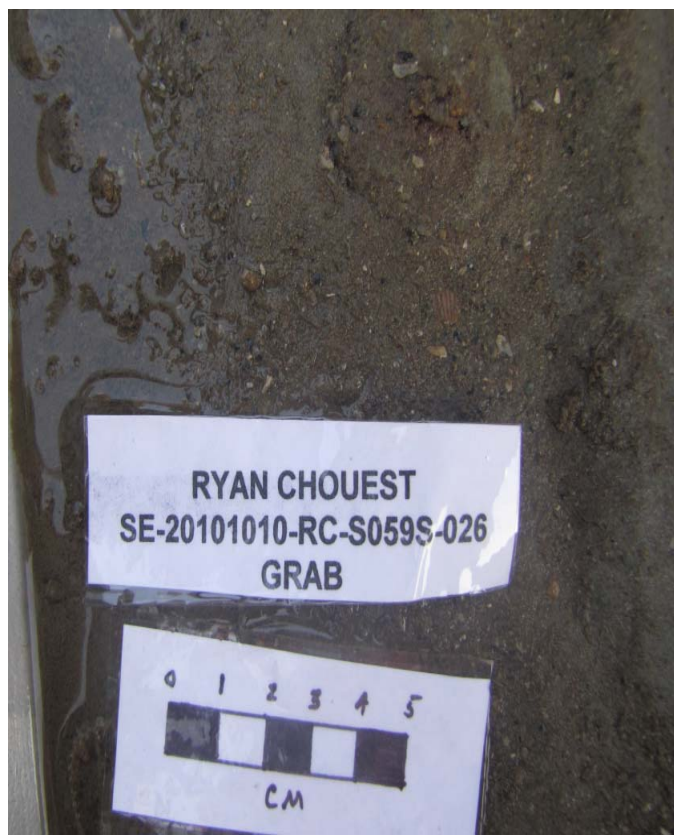
Visible contamination: None

Olfactible contamination: None

Description: Fine sand, some silt. No layering. Munsell notation: 5Y 3/2, Dark Olive Gray.

Remarks: None

Biota: Shrimp, algae and worms



Station S062S

Lat: 29.716244

Long: -88.114423

08:54 (CDT)

Sediment

Recovery: Total 2 grab attempts. Sample recovered from 2nd attempt.

Visible contamination: None

Olfactible contamination: None

Description: Silty with fine sand, some silt. No layering in first 3cm. Munsell notation: 5Y 3/2, Dark Olive Gray.

Remarks: None

Biota: Snails and algae on surface.



Station S070S

Lat: 29.840112

Long: -88.184428

10:34 (CDT)

Sediment

Recovery: Total 3 grab attempts. Sample recovered from 3rd attempt.

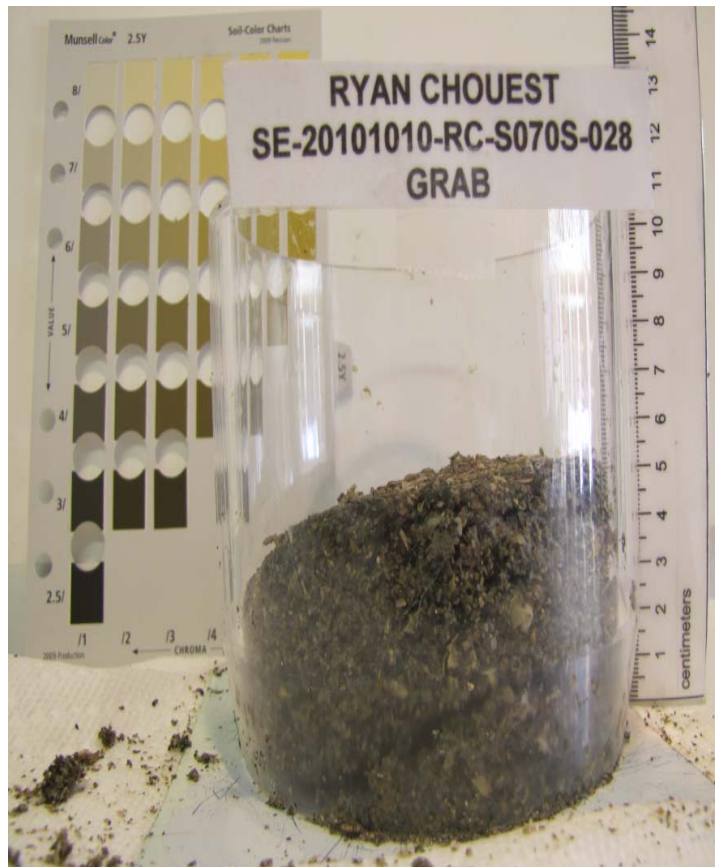
Visible contamination: None

Olfactible contamination: None

Description: Broken shells, muddy matrix. Poorly sorted..
Munsell notation: 2.5Y 4/2,
Dark Grayish Brown.

Remarks: None

Biota: None



Station S072S

Lat: 29.916657

Long: -88.086407

12:11 (CDT)

Sediment

Recovery: Total 2 grab attempts. Sample recovered from 2nd attempt.

Visible contamination: None

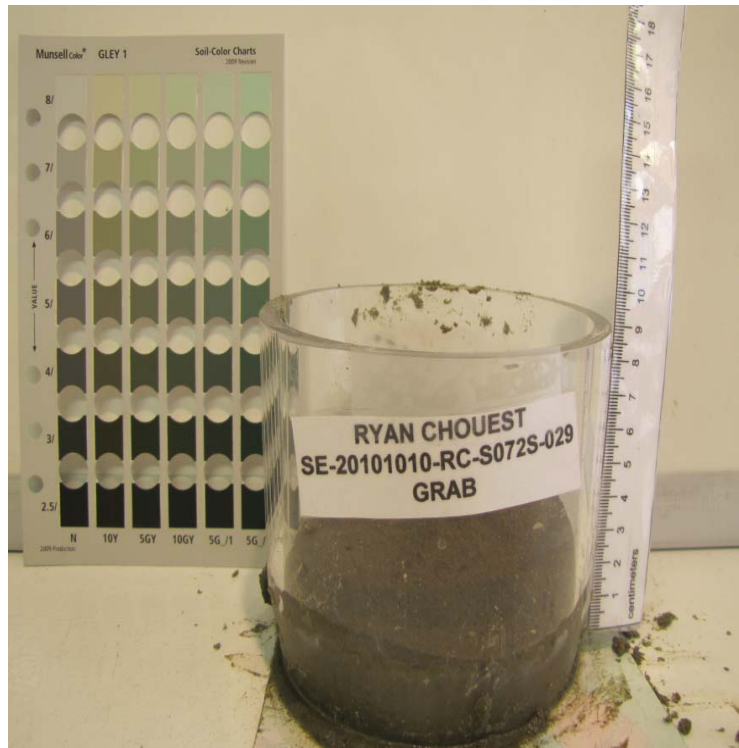
Olfactible contamination: None

Description: Very fine silt

Munsell notation: Dark Greenish Grey, GLEY1 4/1 (10Y)

Remarks: None

Biota: Small hermit crabs



Station S095S

Lat: 30.050088

Long: -88.086135

14:09 (CDT)

Sediment

Recovery: Total 6 grabs attempts. No samples taken – insufficient sediment

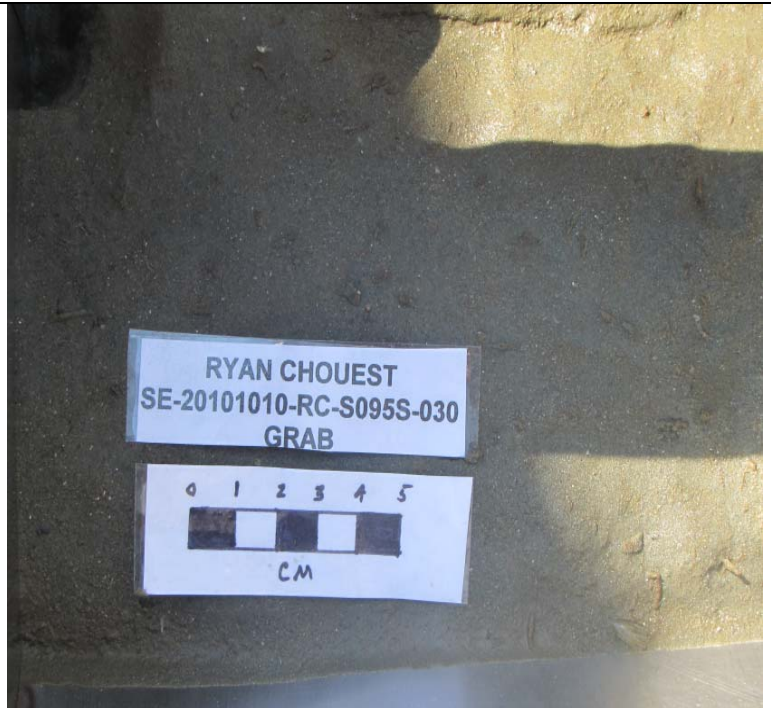
Visible contamination: None

Olfactible contamination: None

Description: None

Remarks: None

Biota: None



Station 4-59**Lat: 30.180839****Long: -88.267103****17:24 (CDT)**Sediment

Recovery: Total 4 grab attempts. Sample unsuccessful.

Visible contamination: None

Olfactible contamination: None

Description: none

Munsell notation: none

Remarks: None

Biota: none

Station 4-58

Lat: 30.087893

Long: -88.273546

19:13 (CDT)

Sediment

Recovery: Total 4 grab attempts. Sample recovered from 4nd attempt.

Visible contamination: None

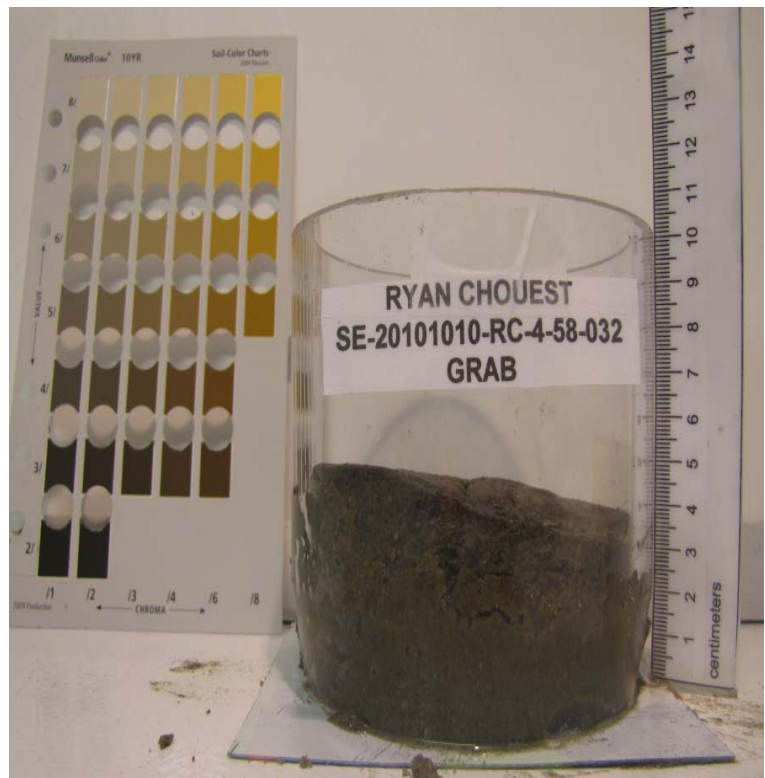
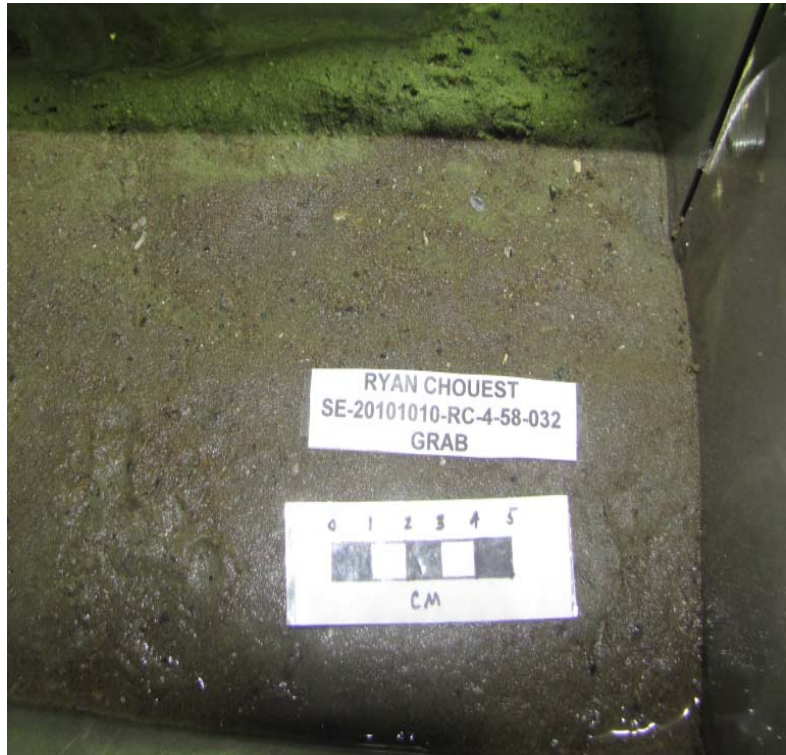
Olfactible contamination: None

Description: Very fine sand

Munsell notation: Very Dark Grayish Brown 10YR 3/2

Remarks: None

Biota: None



Station 4-57

Lat: 29.997969

Long: -88.279774

21:10 (CDT)

Sediment

Recovery: Total 1 grab attempts. Sample recovered from 1st attempt.

Visible contamination: None

Olfactible contamination: None

Description: Clayey silt

Munsell notation: Very Dark Grey 5Y 3/1

Remarks: Extremely mushy

Biota: None

